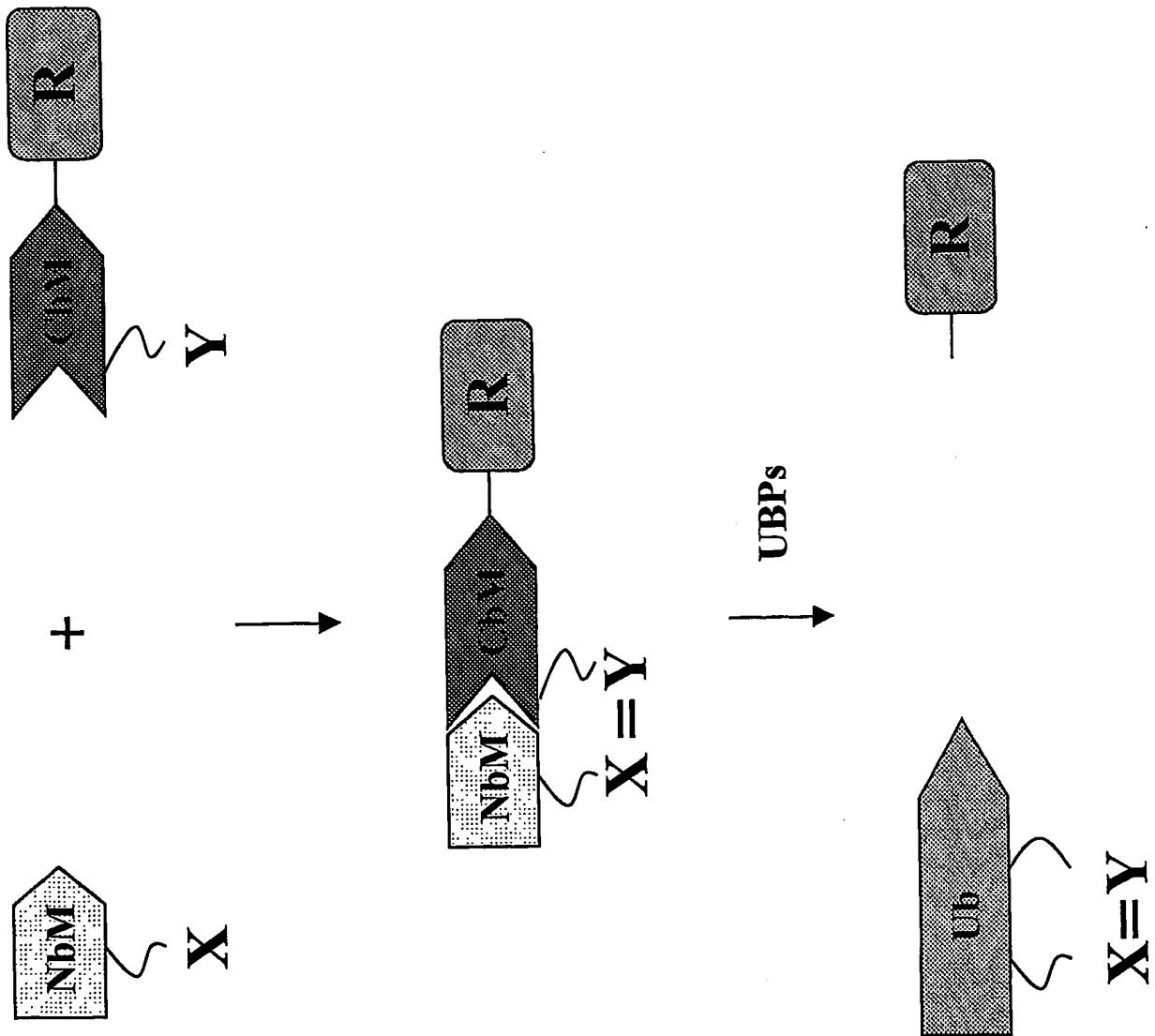


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Figure 1



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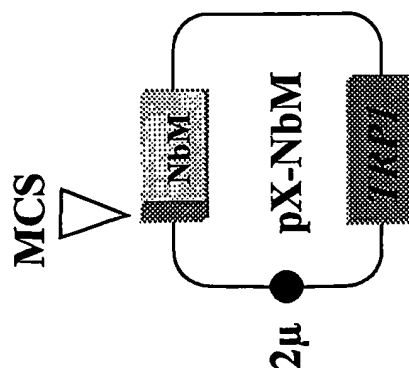
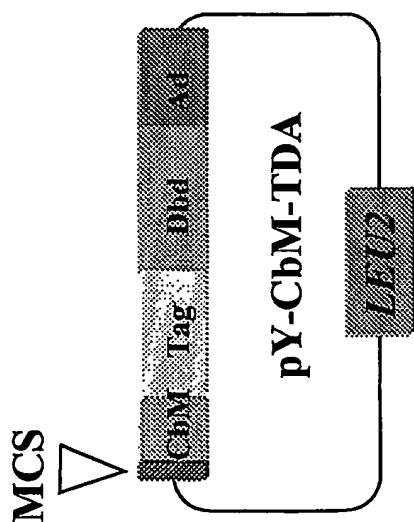
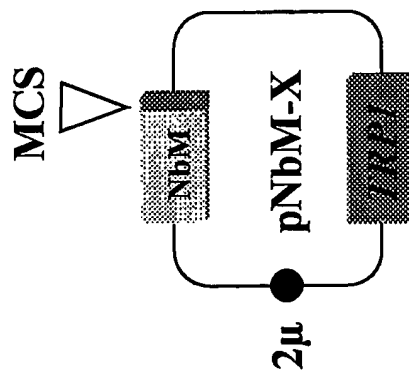
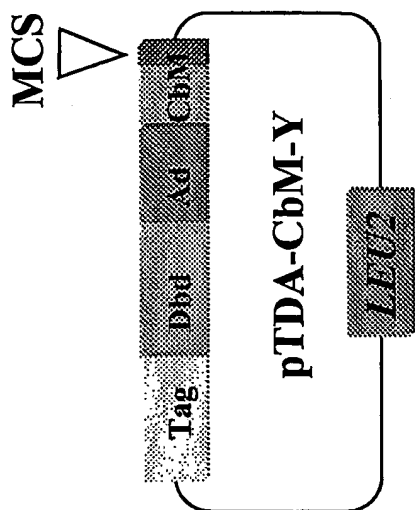
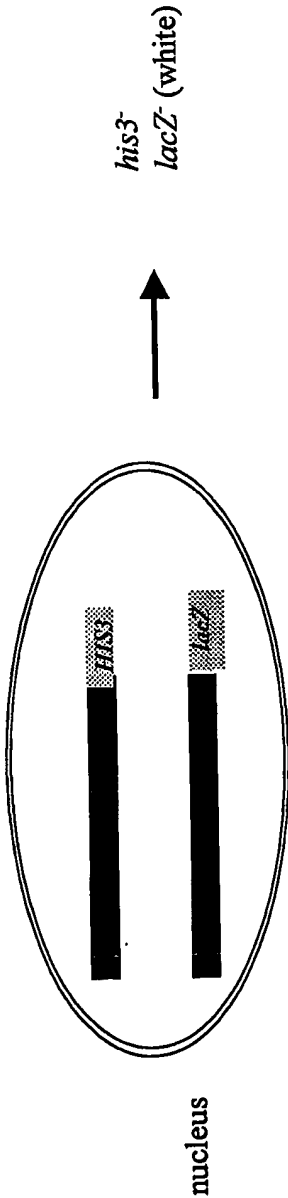
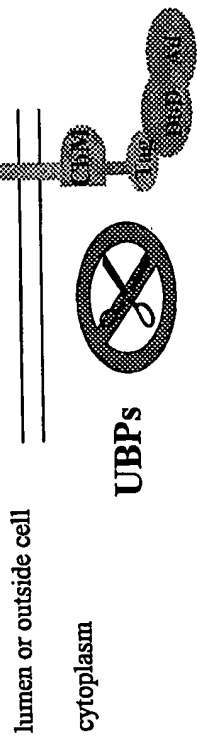


Figure 207

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Y-CbM-TDA



X-NbM

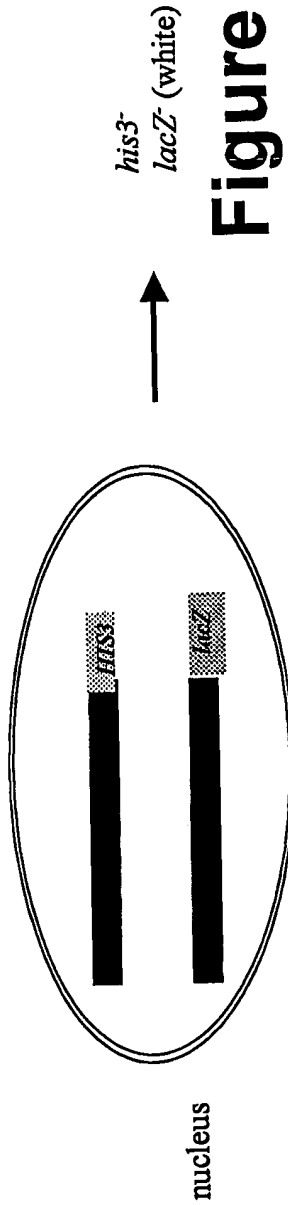
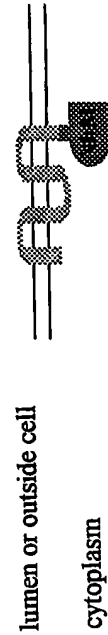


Figure 3A

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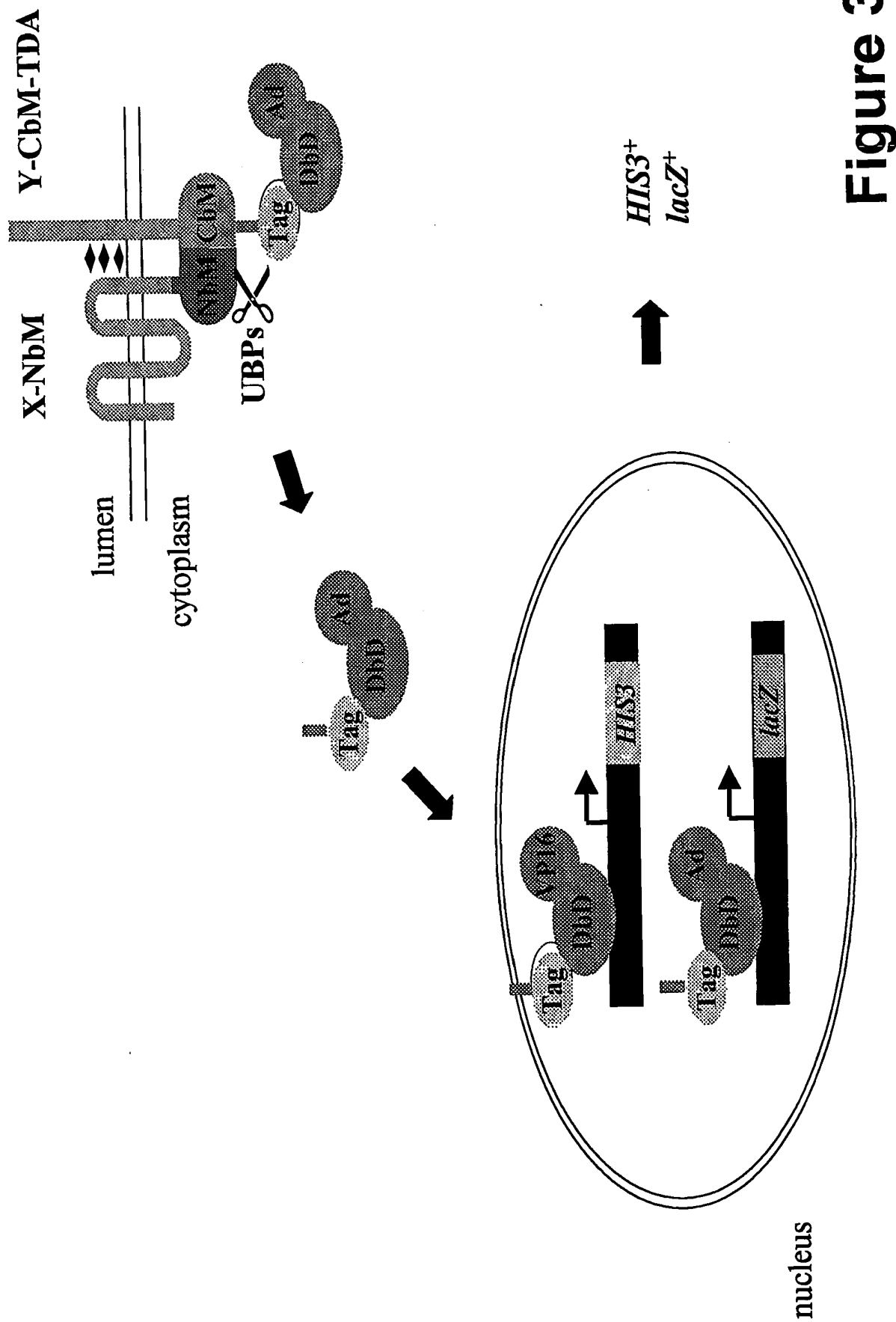
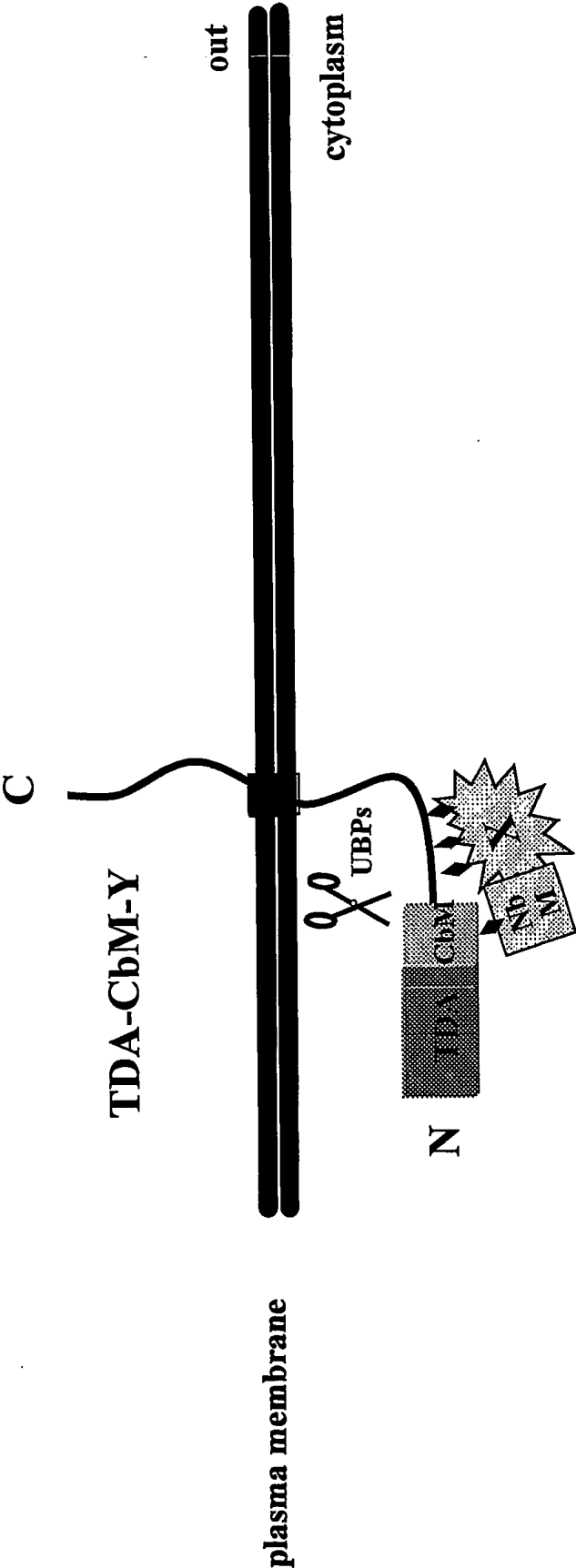
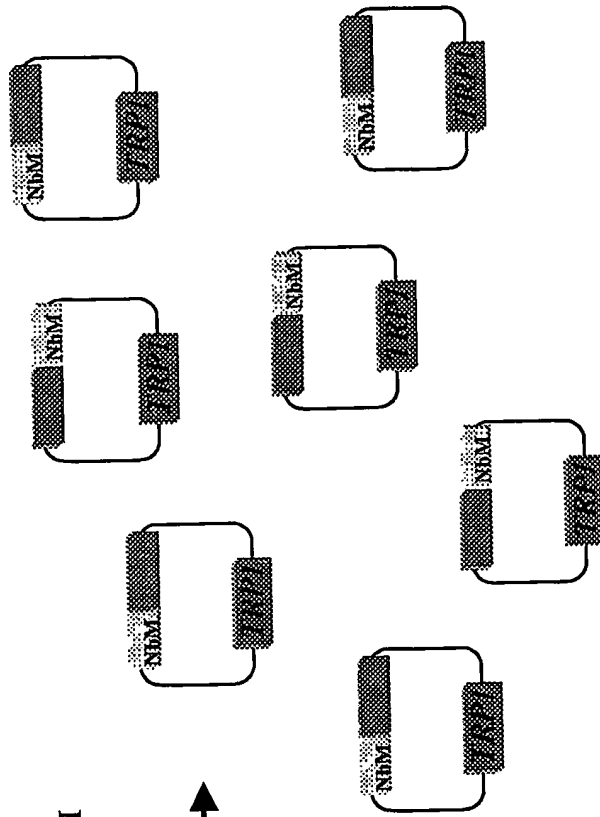


Figure 3B

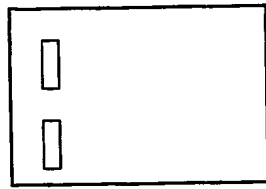
10 / 5095 07

Figure 3C





ligation into pX-NbM
and
pNbM-X vectors



*Sma*I
digestion
or
random
shearing
(sonication)



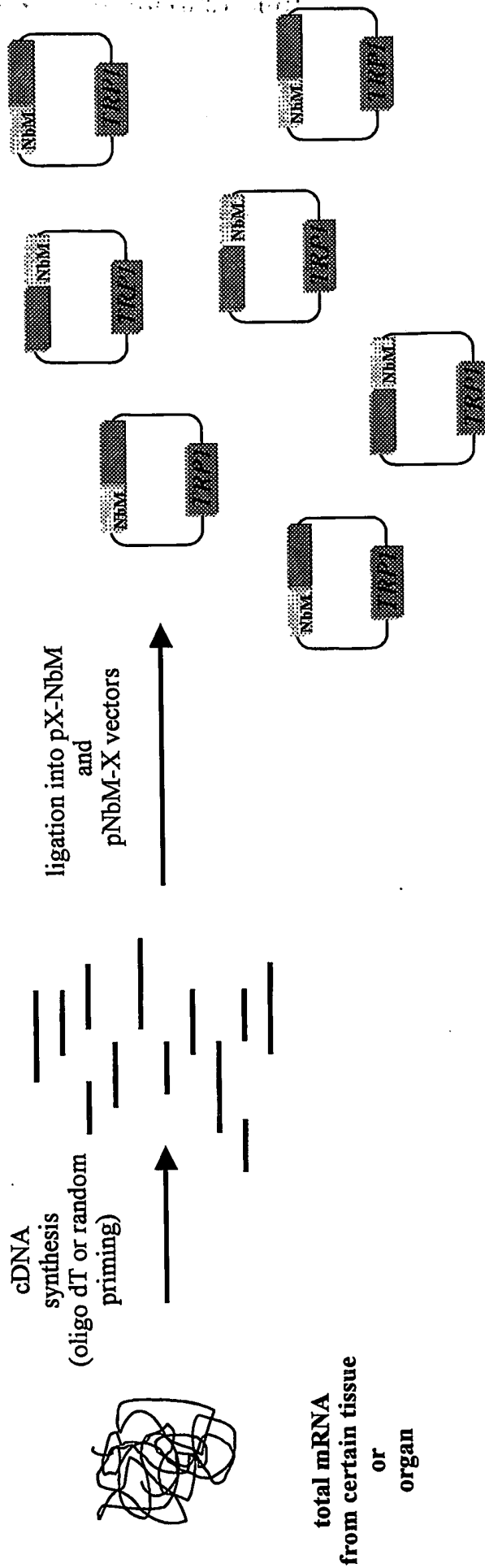
yeast genomic DNA

fragment size selection
in the agarose gel,
polishing of DNA ends
(if random sonication was used)

Random yeast genomic DNA
libraries in
pX-NbM and pNbM-X
vectors

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Figure 4A



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Oligo dT or random primed c DNA
libraries in
pX-NbM and pNbM-X
vectors

Figure 4B

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C

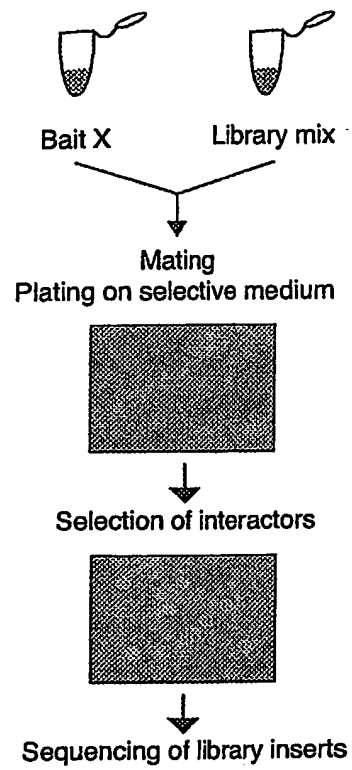


Figure 5

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X and Y DO NOT interact

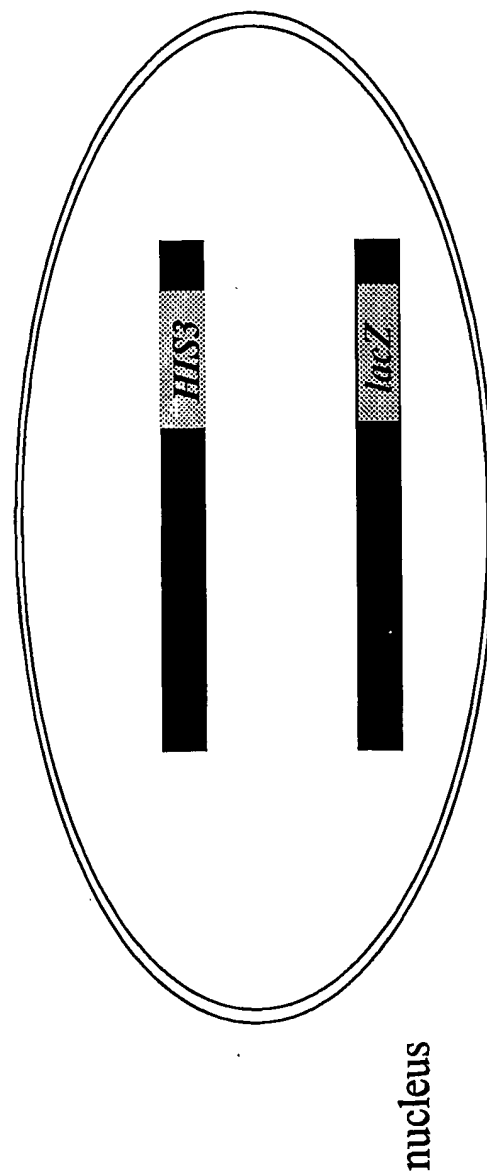
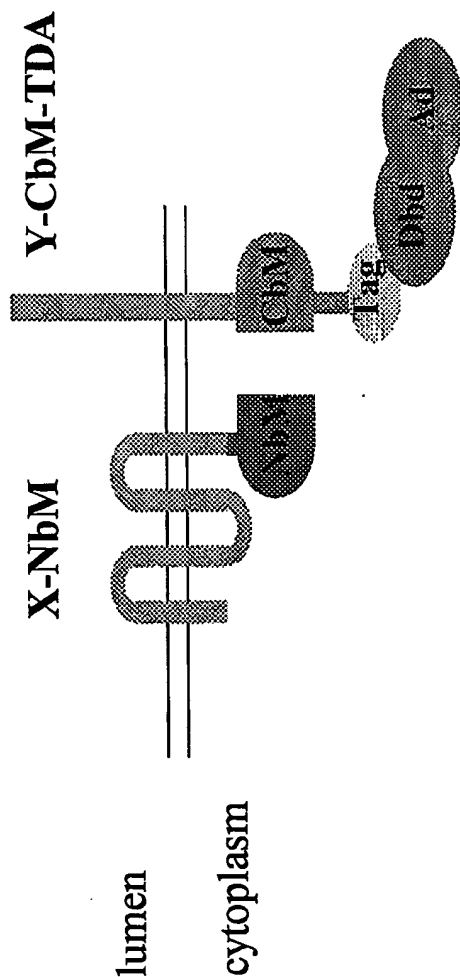
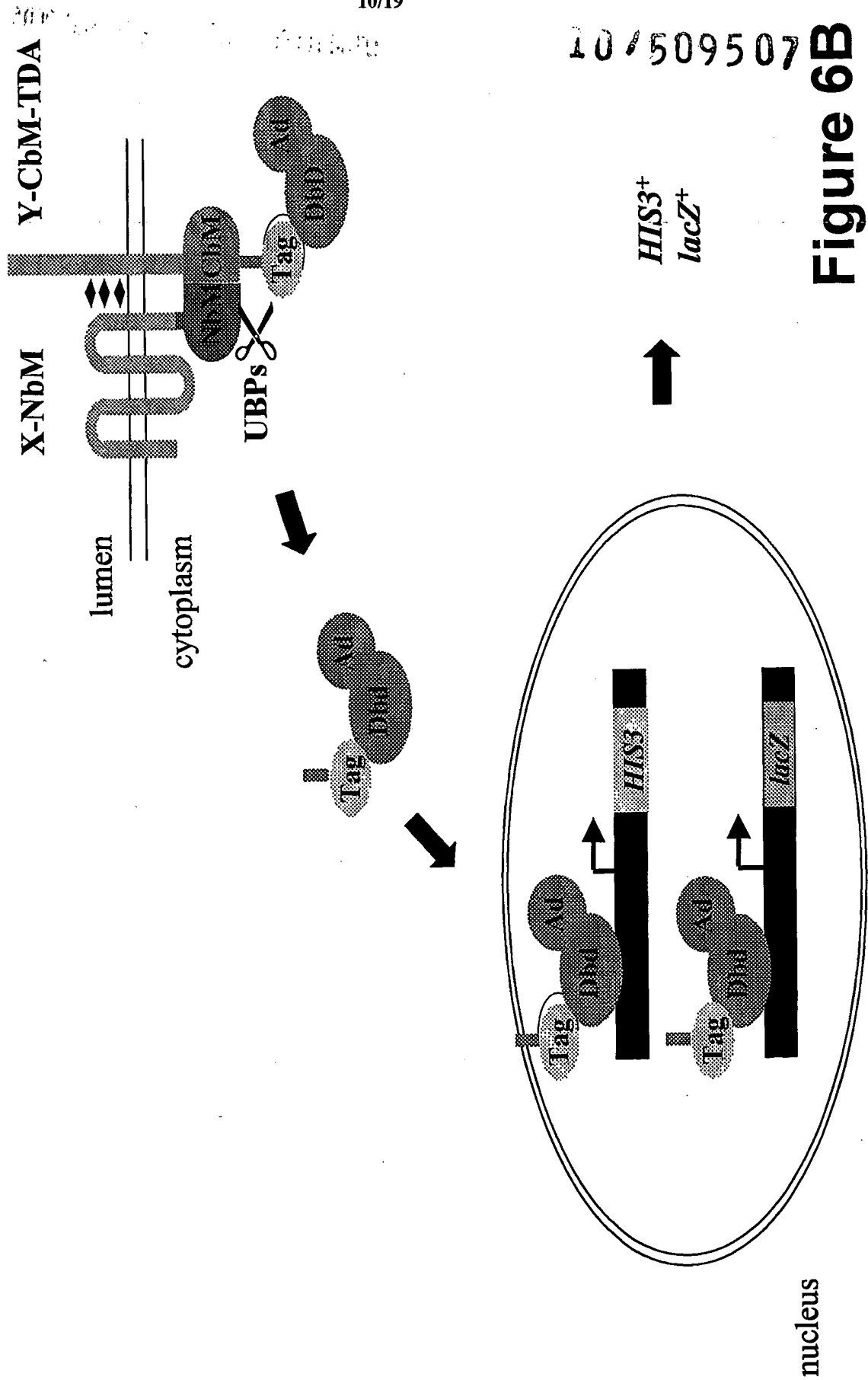


Figure 6A

X and Y DO interact



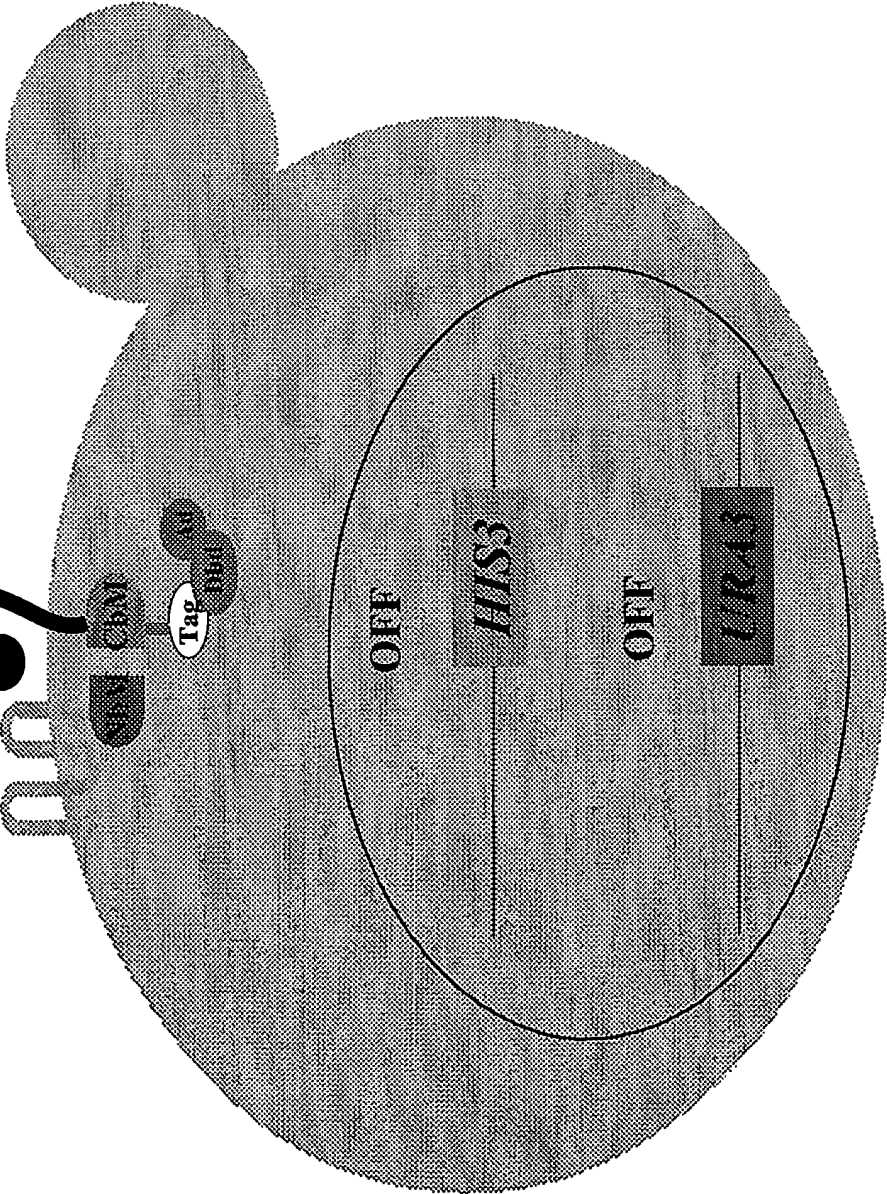
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Figure 6B

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● can be:

- small molecule
- minimal interaction domain
- peptide encoded by plasmid
- peptide added to a medium
- antibody

Y **7** X



+ Drug



ura⁻



his⁻



5FOA^r

- Drug



URA⁺

(growth)



HIS⁺

(growth)



5FOA^s

(no growth)

Figure 7

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■ β -galactosidase activity of yeast colonies expressing the various X-NbM fusions under control of ADH promoter and/or 2 μ and CEN/ARS origins of replication

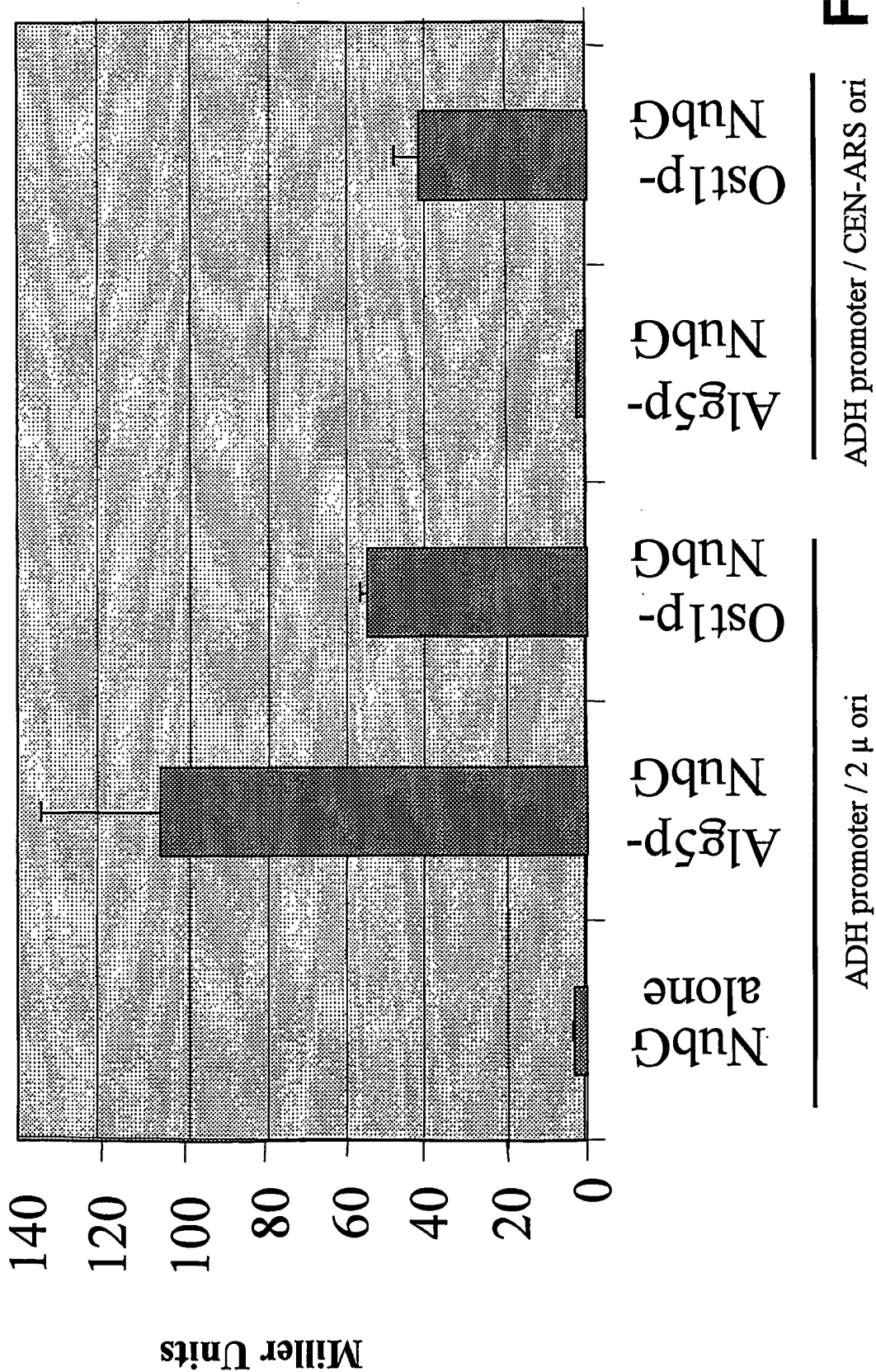
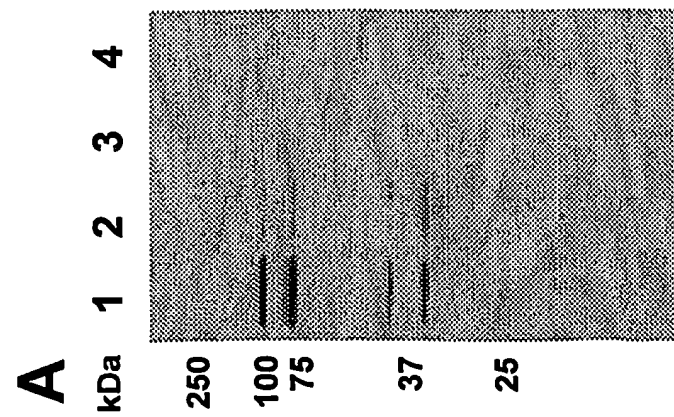
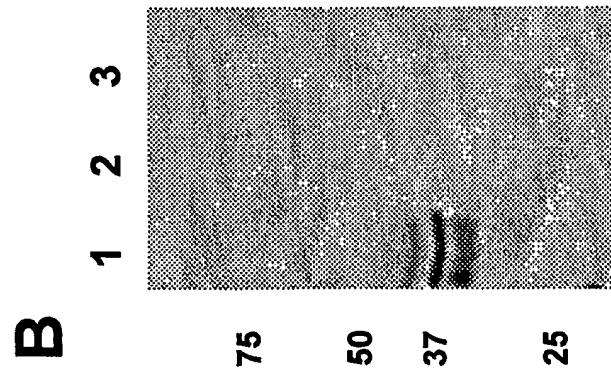
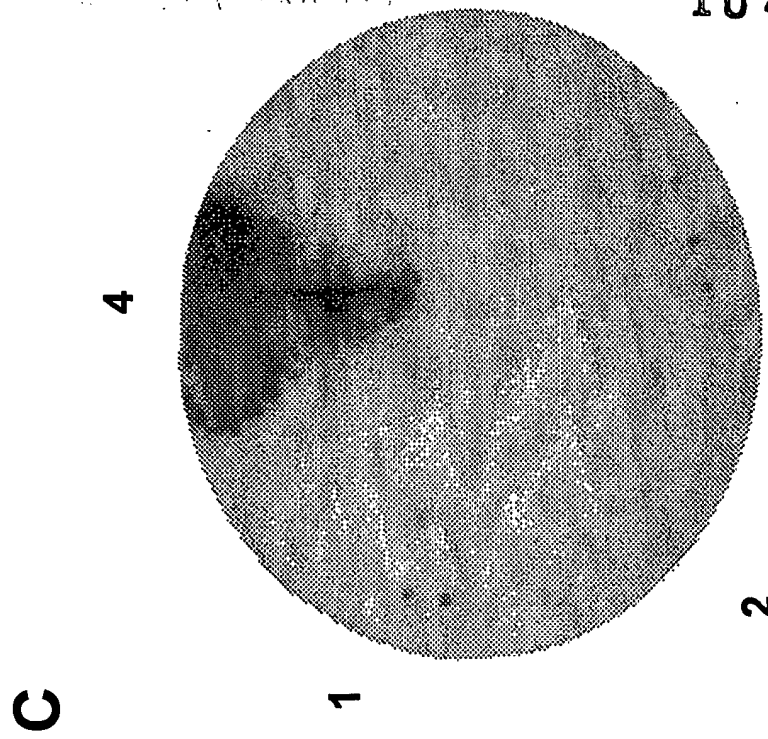


Figure 8

NO 10/509507

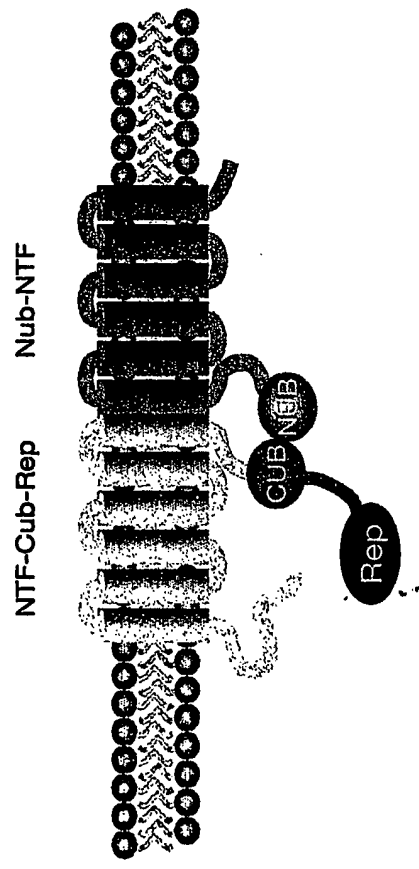
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Figure 9



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A



B

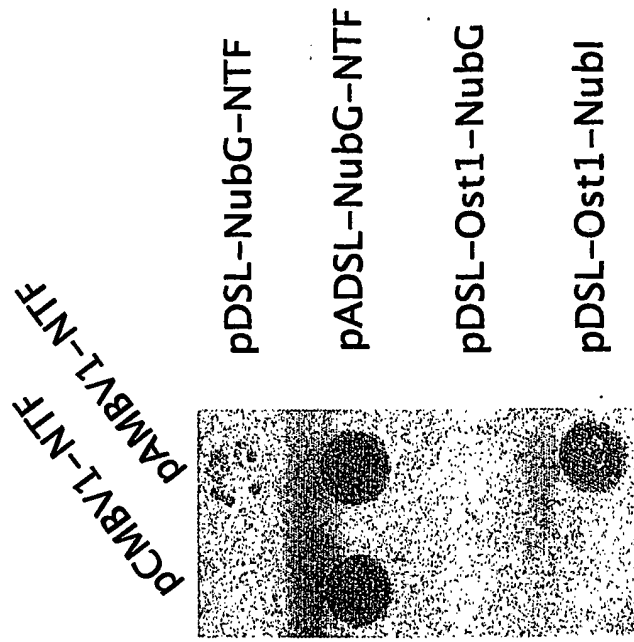


Figure 10

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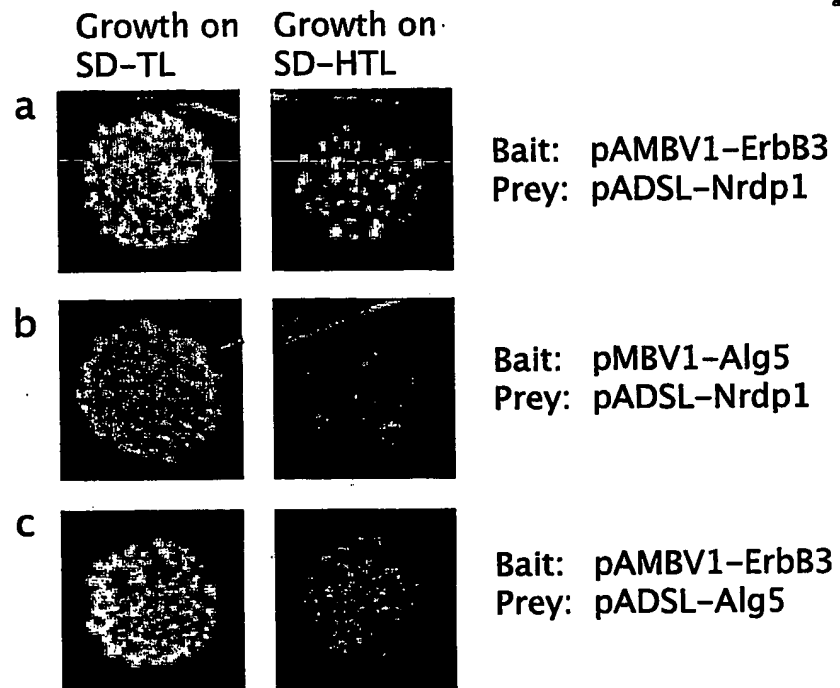
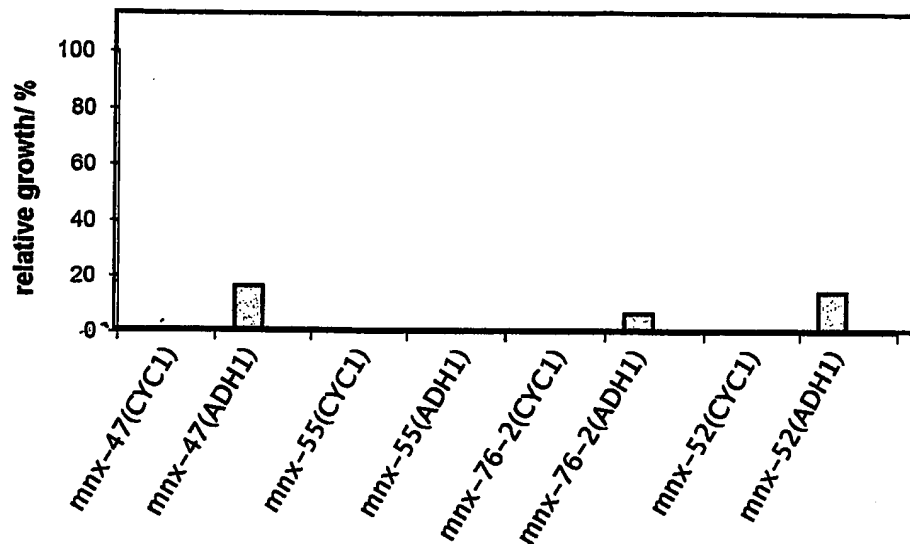


Figure 11

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A

beta2-adrenergic receptor expressed from
CYC1 promoter (pCMBV1-b2AR)



B

beta2-adrenergic receptor expressed from
ADH1 promoter (pAMBV1-b2AR)

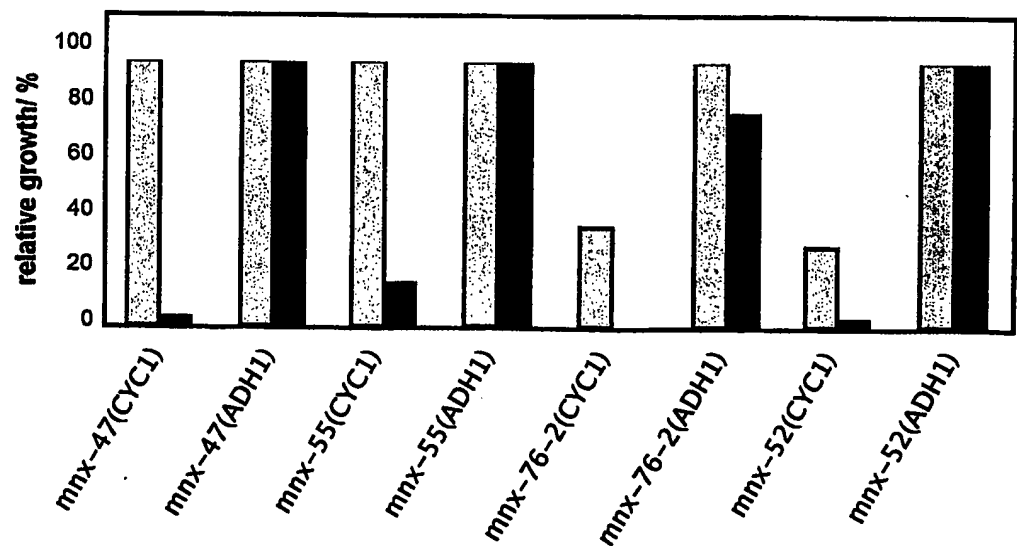


Figure 12

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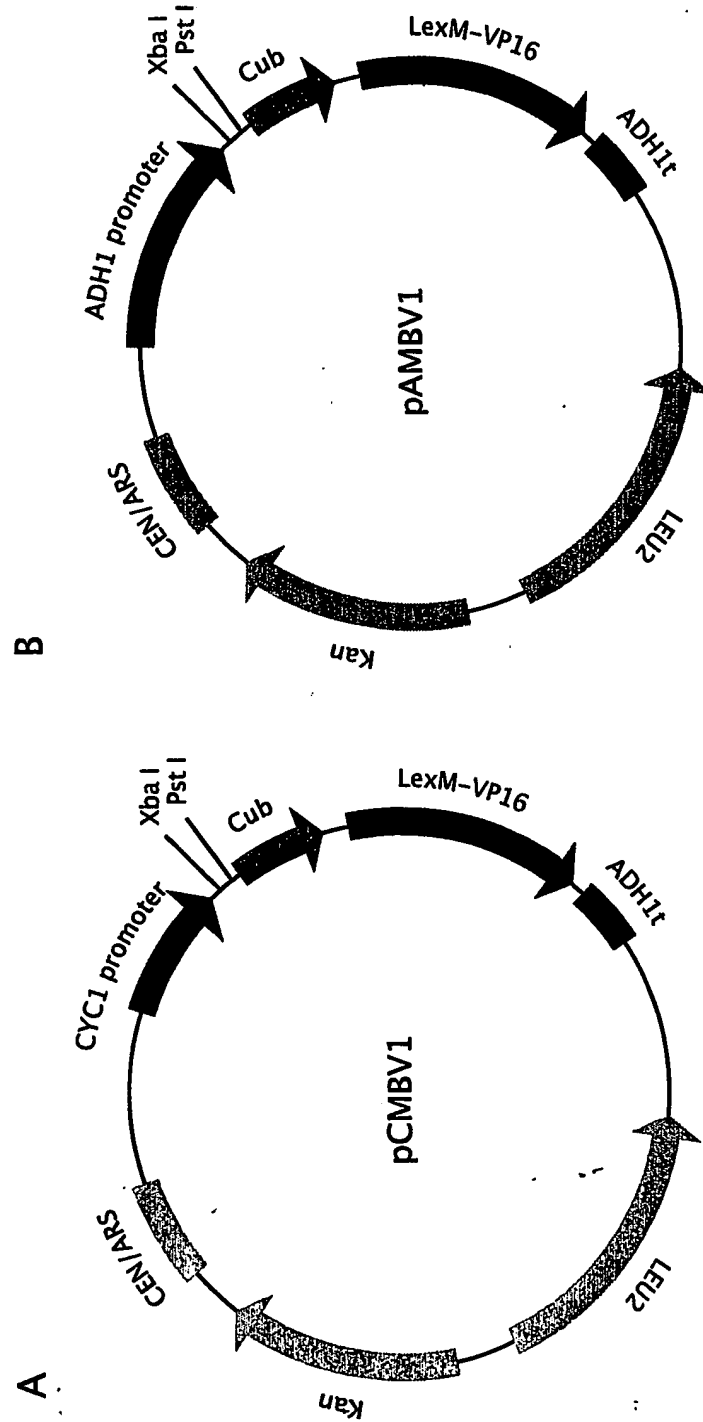


Figure 13

10/509507

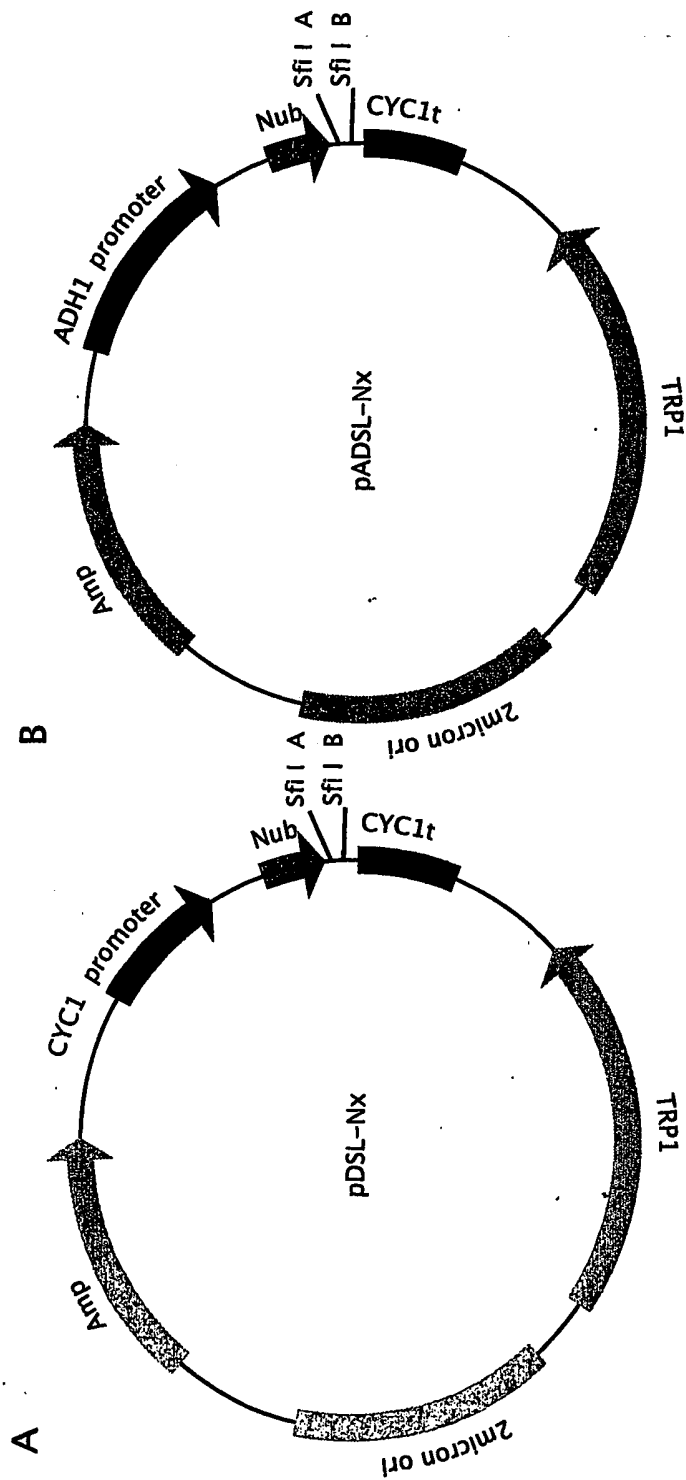


Figure 14

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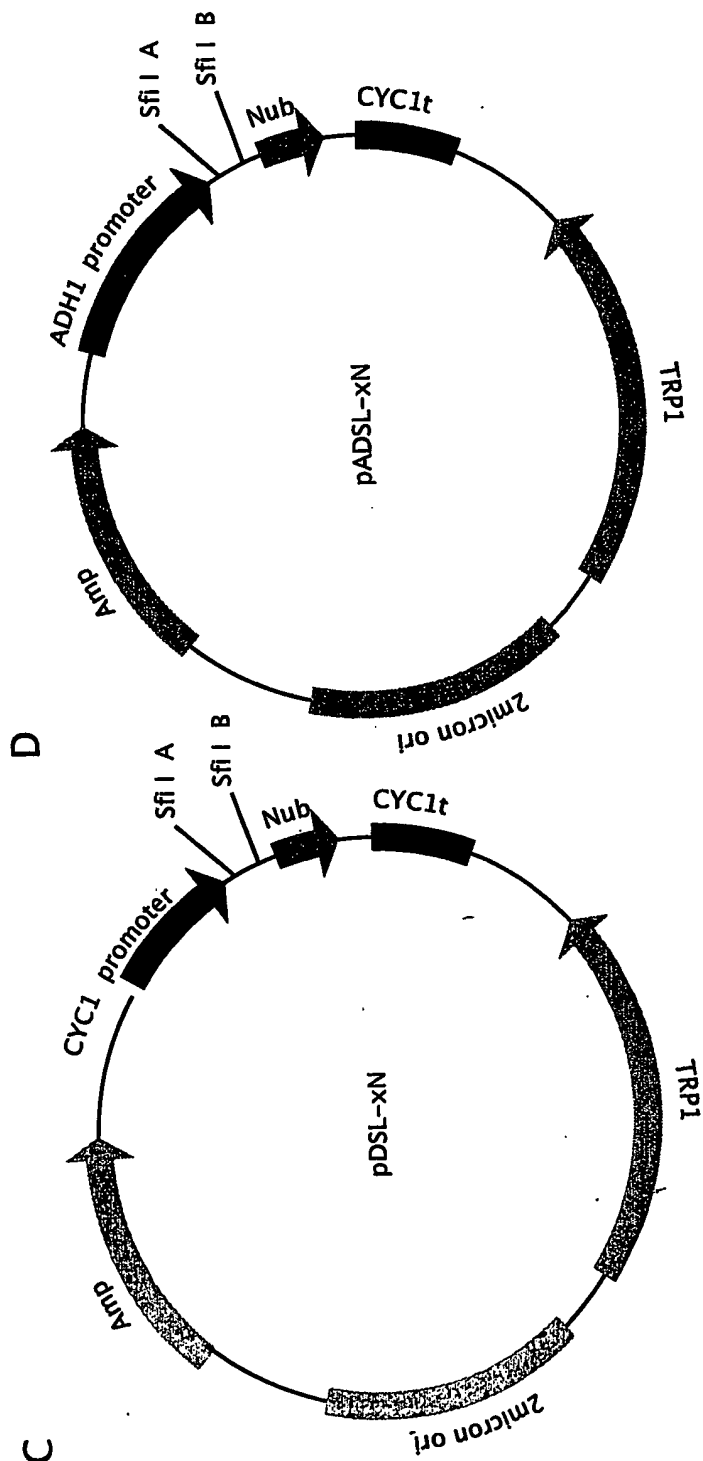


Figure 14

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